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Gene product
Gene; Ribulose-1,5-bisphosphate carboxylase/oxygenase; *Nitrobacter hamburgensis*; *Anacystis nidulans* (Harris, S. (49) 267)

Genetic instability
Steroid-transforming enzyme; *Streptomyces hydrogenans* (Kempf, B. (49) 127)

Genetic rearrangement
Transferable plasmid; Restriction mapping; Heavy metal resistance; Environmental gene transfer (Jobling, M.G. (49) 31)

Glutamine synthetase
Cyanobacterium; Heterocyst; Nitrogenase; Uptake hydrogenase; NADPH : ferredoxin oxidoreductase; Ammonium (methylammonium) transport (Kumar, A.P. (49) 261)

Glycerol accumulation
Zygosaccharomyces rouxii; Salt-sensitive mutant; Sugar tolerance; Glycerol assimilation (Yagi, T. (49) 317)

Glycerol assimilation
Zygosaccharomyces rouxii; Salt-sensitive mutant; Sugar tolerance; Glycerol accumulation (Yagi, T. (49) 317)

Glycopeptide
Carbohydrate screening, Haemagglutination inhibitor; Oligosaccharide; *Escherichia coli* (Neeser, J.-R. (49) 301)

Gram-positive
Chloroflexus aurantiacus; Citrate synthase; Enzyme regulation; Citric acid cycle; Phylogeny (Kelly, D.J. (49) 39)

Gram-positive bacteria
Plasmids; Segregational stability; Thermosensitive replication; Transposon (Lereclus, D. (49) 417)

Group B streptococcus
Polymorphonuclear leukocyte; Phagocytosis; Adhesion; Opsonin (Rainard, P. (49) 309)

Growth inhibition
Interferon preparation; Bacteria; Mechanism of action (Korobov, V.P. (49) 157)

nifH
Methanotroph; Dinitrogen fixation (Oakley, C.J. (49) 53)

Haemagglutination
Escherichia coli; Enterotoxin, heat-labile; (Human strain) (Sugii, S. (49) 463)

Haemolysin component
Enterococcus faecalis; Haemolysin plasmid; Complementation (Le Bouguénec, C. (49) 455)

Haemolysin plasmid
Enterococcus faecalis; Haemolysin component; Complementation (Le Bouguénec, C. (49) 455)

Heat-labile enterotoxin
Hemagglutinating activity; *Escherichia coli* (Sugii, S. (49) 183)

Heavy metal resistance
Transferable plasmid; Restriction mapping; Environmental gene transfer; Genetic rearrangement (Jobling, M.G. (49) 31)

Heliobacillus mobilis
Heliobacterium chlorum; Photosynthetic bacterium; Bacteriochlorophyll *g* (Beer-Romero, P. (49) 451)

Heliobacterium chlorum
Heliobacillus mobilis; Photosynthetic bacterium; Bacteriochlorophyll *g* (Beer-Romero, P. (49) 451)

Hemagglutinating activity
Heat-labile enterotoxin; *Escherichia coli* (Sugii, S. (49) 183)

Hemagglutination
Recombinant DNA; Plasmid (Gerlach, G.-F. (49) 377)

Hemolysin
DNA sequence; Citrolysin; *Citrobacter freundii* (Zaag, A.A. (49) 131)

Herbicide degradation
Pseudomonas; Plasmid curing (Vega, D. (49) 199)

Heterocyst
Cyanobacterium; Nitrogenase; Uptake hydrogenase; NADPH : ferredoxin oxidoreductase; Glutamine synthetase; Ammonium (methylammonium) transport (Kumar, A.P. (49) 261)

Heterologous expression
Reiterated gene; Megaplasmid pHG1; Isoenzyme; *Alcaligenes eutrophus*; *Escherichia coli* (Klintworth, R. (49) 1)

Hexon
Adenovirus 2; Low pH; Conformational change; Dispase (Everitt, E. (49) 229)

Hydrogenase
Cyanobacterium; Nitrogenase; *Chroococcidiopsis thermalis* (Almon, H. (49) 445)

Hydrogenobacter thermophilus
Drug resistance (Igarashi, Y. (49) 179)

Hydrophobic interface
Rhodococcus sp.; Adhesion; Polysaccharide (Neu, T.R. (49) 389)

3-hydroxy-3-methyl-glutaric acid
Pseudomonas fluorescens; Mupirocin; Antibiotic; Mevalonic acid; Pseudomonic acid (Mantle, P.G. (49) 117)

Indomethacin
Cyclic AMP; Chinese hamster ovary; Cholera toxin (Peterson, J.W. (49) 187)

Inflammation
Urinary tract infection; Endotoxin; Adhesion (Linder, H. (49) 219)

Ingestion
Chlamydia trachomatis, oculo-genital strain; Attachment (Söderlund, G. (49) 467)

Interferon preparation
Bacteria; Growth inhibition; Mechanism of action (Korobov, V.P. (49) 157)

Intestinal flora
Ammonia production; (Rat) (Van Leeuwen, P.A.M. (49) 59)

Intracellular glycerol
Zygosaccharomyces rouxii; Salt tolerance; Salt stress (Yagi, T. (49) 25)

Intracellular ion concentration
Thermoadaptation; Thermostability; Cyclic 2,3-diphosphoglycerate; Methanogens (Hensel, R. (49) 75)

Iron sources
B. fragilis; *B. vulgatus*; Transferrin (Verweij-Van Vught, A.M.J.J. (49) 223)

Iron uptake
Aerobactin; Aerobactin receptor; *Escherichia coli*; Diarrhoea (Elena-Fernandez-Beros, M. (49) 397)

Isoelectric focusing
Campylobacter jejuni flagellin; Monoclonal antibody 10-44 (Nachamkin, I. (49) 235)

Isoenzyme
Reiterated gene; Megaplasmid pHG1; Heterologous expression; *Alcaligenes eutrophus*; *Escherichia coli* (Klintworth, R. (49) 1)

Isoleucine-valine biosynthesis
Spirulina platensis, Cyanobacterium; Acetohydroxy acid synthase; Valine inhibition (Riccardi, G. (49) 13)

3-Isopropylmalate dehydrogenase gene
Candida albicans; Cloning; Expression (Jenkinson, H.F. (49) 285)

2-Keto-3-deoxyoctonate
Cytotoxicity; Bacterial toxins; Lipopolysacharride; *Salmonella* (Reitmeyer, J.C. (49) 393)

Killing activity
DNA sequence; Mutants; Secondary structure; Fragmentation; Protein translocation; Bacteriocin (Verschoor, E.J. (49) 403)

K^+ loss
Saccharomyces cerevisiae; Yeast; Cadmium-resistant cells; Cd^{2+} uptake (Belde, P.J.M. (49) 493)

Lactic streptococci
Proplast transformation; Protoplast fusion (Van der Vossen, J.M.B.M. (49) 323)

Lactobacillus plantarum
Plantacin B; Bacteriocin production (West, C.A. (49) 163)

Leakage
Cellulomonas fimi; *Escherichia coli*; Cellulase (Guo, Z. (49) 279)

Lipid
Corynebacterium amycolatum sp. nov.; Taxonomy; Chemotaxonomy; Wall (Collins, M.D. (49) 349)

Lipid A epitope
Monoclonal antibody; Synthetic lipid A analogue (Arata, S. (49) 479)

Lipopolysacharride
Cytotoxicity; Bacterial toxins; *Salmonella*; 2-Keto-3-deoxyoctonate (Reitmeyer, J.C. (49) 393)

L-lysine : pyruvate aminotransferase
Lysine catabolism; *Pichia guilliermondii* (Schmidt, H. (49) 203)

Low pH
Adenovirus 2; Hexon; Conformational change; Dispase (Everitt, E. (49) 229)

LT
Vibrio cholerae; Cholera toxin; *Escherichia coli* (Tamplin, M.L. (49) 7)

Lysine catabolism
L-lysine : pyruvate aminotransferase; *Pichia guilliermondii* (Schmidt, H. (49) 203)

Mannose transport
Escherichia coli; Nucleotide sequence; (*manX, manY*) (Saris, P.E.J. (49) 69)

Mechanism of action
Interferon preparation; Bacteria; Growth inhibition (Korobov, V.P. (49) 157)

Megaplasmid pHG1
Reiterated gene; Isoenzyme; Heterologous expression; *Alcaligenes eutrophus*; *Escherichia coli* (Klintworth, R. (49) 1)

Membrane proteins
Bacillus subtilis; Fusidic acid; (*rif*122 mutation); (*hos*1 mutation) (Matsuzaki, S. (49) 81)

Methanogen
Perchloroethylene; Reductive dechlorination; *Methanosarcina sp*; *Methanosarcina mazei* (Fathepure, B.Z. (49) 149)

Methanogenic bacteria
Archaebacteria; 5-Fluorouracil; Salvage pathway; Cell wall synthesis; Autolysis; Pyrimidine metabolism (Grinbergs, A. (49) 43)

Methanogens
Thermoadaptation; Thermostability; Intracellular ion concentration; Cyclic 2,3-diphosphoglycerate (Hensel, R. (49) 75)

Methanosarcina mazei
Perchloroethylene; Reductive dechlorination; Methanogen; *Methanosarcina sp* (Fathepure, B.Z. (49) 149)

Methanosarcina sp
Perchloroethylene; Reductive dechlorination; Methanogen; *Methanosarcina mazei* (Fathepure, B.Z. (49) 149)

Methanotroph
nifH; Dinitrogen fixation (Oakley, C.J. (49) 53)

Methylmalonyl-CoA pathway
Propionate degradation; *Desulfobulbus propionicus*; Dissimilatory sulfate reduction (Kremer, D.R. (49) 273)

Mevalonic acid
Pseudomonas fluorescens; Mupirocin; Antibiotic; Pseudomonic acid; 3-hydroxy-3-methyl-glutaric acid (Mantle, P.G. (49) 117)

Microcystis toxin
Rapid assay; Reversed-phase liquid chromatography (Dierstein, R. (49) 143)

MLS^R
Filter mating; Electron microscopy (Grigorova, R. (49) 289)

Molybdoprotein biosynthesis
Nitrate reductase; Chlorate resistance; Protein FA assay (Low, D.C. (49) 331)

Monoclonal antibody
Fimbriae-mutants; Recombinant DNA (Van Die, I. (49) 95)

Monoclonal antibody 10-44
Campylobacter jejuni flagellin; Isoelectric focusing (Nachamkin, I. (49) 235)

Lipid A epitope; Synthetic lipid A analogue (Arata, S. (49) 479)

M13 sequencing
Extracellular enzymes; Protein primary structure (Lenzini, M.V. (49) 371)

Mupirocin
Pseudomonas fluorescens; Antibiotic; Mevalonic acid; Pseudomonic acid; 3-hydroxy-3-methyl-glutaric acid (Mantle, P.G. (49) 117)

Mutant
Rhizobium meliloti; Fructose metabolism (El Guezzar, M. (49) 429)

Mutants
DNA sequence; Secondary structure; Killing activity; Fragmentation; Protein translocation; Bacteriocin (Verschoor, E.J. (49) 403)

Mycoplasma
Polyamines; Ornithine decarboxylase (Pakala, R. (49) 357)

Mycoplasma mycoides
Characterisation; Enzyme induction; Catabolite repression (Wadher, B.J. (49) 459)

NADPH: ferredoxin oxidoreductase
Cyanobacterium; Heterocyst; Nitrogenase; Uptake hydrogenase; Glutamine synthetase; Ammonium (methylammonium) transport (Kumar, A.P. (49) 261)

Nitrate reductase
Molybdoprotein biosynthesis; Chlorate resistance; Protein FA assay (Low, D.C. (49) 331)

Nitrobacter hamburgensis
Gene; Gene product; Ribulose-1,5-bisphosphate carboxylase/oxygenase; *Anacystis nidulans* (Harris, S. (49) 267)

Nitrogenase
Cyanobacterium; Heterocyst; Uptake hydrogenase; NADPH: ferredoxin oxidoreductase; Glutamine synthetase; Ammonium (methylammonium) transport (Kumar, A.P. (49) 261)

Cyanobacterium; Hydrogenase; *Chroococcidiopsis thermalis* (Almon, H. (49) 445)

Nucleotide sequence
Escherichia coli; Mannose transport; (*manX, manY*) (Saris, P.E.J. (49) 69)

Oligosaccharide
Carbohydrate screening, Haemagglutination inhibitor; Glycopeptide; *Escherichia coli* (Neeser, J.-R. (49) 301)

Opsonin
Polymorphonuclear leukocyte; Group B streptococcus; Phagocytosis; Adhesion (Rainard, P. (49) 309)

Ornithine decarboxylase
Mycoplasma; Polyamines (Pakala, R. (49) 357)

Osmoregulation
Tn*10*; Deletion analysis; *ompR*; *envZ*; Porins; *E. coli* (Kurkela, S.A. (49) 193)

Oxalic acid
Sclerotinia sclerotiorum; Decarboxylation (Magro, P. (49) 49)

***P. aeruginosa / P. stutzeri* conjugation**
R18/RP4 plasmids; Cloning of *pri*; Complementation of *pri* mutation; Effect in donor and in the recipient (Nash, J. (49) 257)

Peptidase N
Pseudomonas aeruginosa; Peptide uptake (Hulen, C. (49) 167)

Peptide uptake
Pseudomonas aeruginosa; Peptidase N (Hulen, C. (49) 167)

Perchloroethylene
Reductive dechlorination; Methanogen; *Methanosarcina sp*; *Methanosarcina mazei* (Fathepure, B.Z. (49) 149)

Phagocytosis
Polymorphonuclear leukocyte; Group B streptococcus; Adhesion; Opsonin (Rainard, P. (49) 309)

Phenolic compound
Basidiomycele; White rot fungus; Phenolic compound (Müller, H.W. (49) 87)

Phenolic compound; Basidiomycele; White rot fungus (Müller, H.W. (49) 87)

Photosynthetic bacterium
Heliobacterium chlorum; *Heliobacillus mobilis*; Bacteriochlorophyll *g* (Beer-Romero, P. (49) 451)

Phycomyces blakesleeanus
Electrical field; Polar growth; Spore germination (Van Laere, A.J. (49) 111)

Phylogeny
Chloroflexus aurantiacus; Citrate synthase; Gram-positive; Enzyme regulation; Citric acid cycle (Kelly, D.J. (49) 39)

Pichia guilliermondii
L-lysine : pyruvate aminotransferase; Lysine catabolism (Schmidt, H. (49) 203)

Plantacin B
Lactobacillus plantarum; Bacteriocin production (West, C.A. (49) 163)

Plasmid
Bacillus amyloliquefaciens; Transformation; Protoplast (Vehmaanperä, J. (49) 101)

Staphylococcus aureus; Bacterial cell wall; Antibiotic (Abdalla-Galal, S. (49) 367)

Recombinant DNA; Hemagglutination (Gerlach, G.-F. (49) 377)

Plasmid curing
Pseudomonas; Herbicide degradation (Vega, D. (49) 199)

Plasmids
Gram-positive bacteria; Segregational stability; Thermosensitive replication; Transposon (Lereclus, D. (49) 417)

Plasmid transfer
Bradyrhizobium japonicum (ArunaKumari, A. (49) 423)

Polar growth
Phycomyces blakesleeanus; Electrical field; Spore germination (Van Laere, A.J. (49) 111)

Polyamines
Mycoplasma; Ornithine decarboxylase (Pakala, R. (49) 357)

Polymorphonuclear leukocyte
Group B streptococcus; Phagocytosis; Adhesion; Opsonin (Rainard, P. (49) 309)

Polysaccharide
Rhodococcus sp.; Adhesion; Hydrophobic interface (Neu, T.R. (49) 389)

Porins
Tn*10*; Deletion analysis; *ompR*; *envZ*; Osmoregulation; *E. coli* (Kurkela, S.A. (49) 193)

Propionate degradation
Methylmalonyl-CoA pathway; *Desulfobulbus propionicus*; Dissimilatory sulfate reduction (Kremer, D.R. (49) 273)

Proplast transformation
Lactic streptococci; Protoplast fusion (Van der Vossen, J.M.B.M. (49) 323)

Protein acceptor
Biosynthesis; *Saccharomyces cerevisiae*; *Candida albicans* (Andaluz, E. (49) 251)

Protein FA assay
Nitrate reductase; Molybdoprotein biosynthesis; Chlorate resistance (Low, D.C. (49) 331)

Protein primary structure
Extracellular enzymes; M13 sequencing (Lenzini, M.V. (49) 371)

Protein translocation
DNA sequence; Mutants; Secondary structure; Killing activity; Fragmentation; Bacteriocin (Verschoor, E.J. (49) 403)

Protoplast
Bacillus amyloliquefaciens; Transformation; Plasmid (Vehmaanperä, J. (49) 101)

Protoplast fusion
Lactic streptococci; Proplast transformation (Van der Vossen, J.M.B.M. (49) 323)

Pseudomembranous colitis
Clostridium difficile; Fimbria (Borriello, S.P. (49) 65)

Pseudomonas
Herbicide degradation; Plasmid curing (Vega, D. (49) 199)

Pseudomonas aeruginosa
Peptide uptake; Peptidase N (Hulen, C. (49) 167)

Pseudomonas fluorescens
Mupirocin; Antibiotic; Mevalonic acid; Pseudomonic acid; 3-hydroxy-3-methyl-glutaric acid (Mantle, P.G. (49) 117)

Pseudomonic acid
Pseudomonas fluorescens; Mupirocin; Antibiotic; Mevalonic acid; 3-hydroxy-3-methyl-glutaric acid (Mantle, P.G. (49) 117)

Pullulanase, thermostable
Thermus sp.; Gene cloning (Sashihara, N. (49) 385)

Pyrimidine metabolism
Methanogenic bacteria; Archaebacteria; 5-Fluorouracil; Salvage pathway; Cell wall synthesis; Autolysis (Grinbergs, A. (49) 43)

Pyrodictium occultum
Fibers; Cell adhesion; Thermophilic; Cell envelope (König, H. (49) 207)

ompR
Tn*10*; Deletion analysis; *envZ*; Osmoregulation; Porins; *E. coli* (Kurkela, S.A. (49) 193)

Rapid assay
Microcystis toxin; Reversed-phase liquid chromatography (Dierstein, R. (49) 143)

Recombinant DNA
Fimbriae-mutants; Monoclonal antibody (Van Die, I. (49) 95)

Plasmid; Hemagglutination (Gerlach, G.-F. (49) 377)

Reductive dechlorination
Perchloroethylene; Methanogen; *Methanosarcina sp*; *Methanosarcina mazei* (Fathepure, B.Z. (49) 149)

Reiterated gene
Megaplasmid pHG1; Isoenzyme; Heterologous expression; *Alcaligenes eutrophus*; *Escherichia coli* (Klintworth, R. (49) 1)

Restriction mapping
Transferable plasmid; Heavy metal resistance; Environmental gene transfer; Genetic rearrangement (Jobling, M.G. (49) 31)

Reversed-phase liquid chromatography
Microcystis toxin; Rapid assay (Dierstein, R. (49) 143)

Rhizobium meliloti
Fructose metabolism; Mutant (El Guezzar, M. (49) 429)

***Rhodococcus* sp.**
Adhesion; Hydrophobic interface; Polysaccharide (Neu, T.R. (49) 389)

Ribulose-1,5-bisphosphate carboxylase/oxygenase
Gene; Gene product; *Nitrobacter hamburgensis*; *Anacystis nidulans* (Harris, S. (49) 267)

R18/RP4 plasmids
P. aeruginosa/P. stutzeri conjugation; Cloning of *pri*; Complementation of *pri* mutation; Effect in donor and in the recipient (Nash, J. (49) 257)

Saccharomyces cerevisiae
Biosynthesis; Protein acceptor; *Candida albicans* (Andaluz, E. (49) 251)

Yeast; Cadmium-resistant cells; Cd^{2+} uptake; K^+ loss (Belde, P.J.M. (49) 493)

Salmonella
Cytotoxicity; Bacterial toxins; Lipopolysacharride; 2-Keto-3-deoxyoctonate (Reitmeyer, J.C. (49) 393)

Salmonella enteritidis
Fibrinogen; Collagen; Fimbria; (Binding); (Inhibition) (Baloda, S.B. (49) 483)

Salt-sensitive mutant
Zygosaccharomyces rouxii; Sugar tolerance; Glycerol accumulation; Glycerol assimilation (Yagi, T. (49) 317)

Salt stress
Zygosaccharomyces rouxii; Intracellular glycerol; Salt tolerance (Yagi, T. (49) 25)

Salt tolerance
Zygosaccharomyces rouxii; Intracellular glycerol; Salt stress (Yagi, T. (49) 25)

Salvage pathway
Methanogenic bacteria; Archaebacteria; 5-Fluorouracil; Cell wall synthesis; Autolysis; Pyrimidine metabolism (Grinbergs, A. (49) 43)

Sclerotinia sclerotiorum
Oxalic acid; Decarboxylation (Magro, P. (49) 49)

Secondary structure
DNA sequence; Mutants; Killing activity; Fragmentation; Protein translocation; Bacteriocin (Verschoor, E.J. (49) 403)

Segregational stability
Gram-positive bacteria; Plasmids; Thermosensitive replication; Transposon (Lereclus, D. (49) 417)

Serotype
Adenovirus; Ganciclovir; DHPG; Antiviral activity; DNA analysis (Taylor, D.L. (49) 337)

***Spirulina platensis*, Cyanobacterium**
Acetohydroxy acid synthase; Isoleucine-valine biosynthesis; Valine inhibition (Riccardi, G. (49) 13)

Spirulina platensis, Valine-resistant mutant, Acetohydroxy acid synthase
(Riccardi, G. (49) 19)

Spore germination
Phycomyces blakesleeanus; Electrical field; Polar growth (Van Laere, A.J. (49) 111)

Staphylococcus aureus
Bacterial cell wall; Plasmid; Antibiotic (Abdalla-Galal, S. (49) 367)

Staphylococcus aureus glucosaminidase
Gene cloning; Gene expression (Biavasco, F. (49) 137)

Steroid-transforming enzyme
Genetic instability; *Streptomyces hydrogenans* (Kempf, B. (49) 127)

Streptomyces fradiae
L-Threonine; Threonine aldolase; Threonine dehydratase; Fatty acids; Tylosin (Vančura, A. (49) 411)

Streptomyces hydrogenans
Steroid-transforming enzyme; Genetic instability (Kempf, B. (49) 127)

Sugar tolerance
Zygosaccharomyces rouxii; Salt-sensitive mutant; Glycerol accumulation; Glycerol assimilation (Yagi, T. (49) 317)

Synthetic lipid A analogue
Monoclonal antibody; Lipid A epitope (Arata, S. (49) 479)

Taxonomy
Corynebacterium amycolatum sp. nov.; Chemotaxonomy; Wall; Lipid (Collins, M.D. (49) 349)

Thermoadaptation
Thermostability; Intracellular ion concentration; Cyclic 2,3-diphosphoglycerate; Methanogens (Hensel, R. (49) 75)

Thermophilic
Pyrodictium occultum; Fibers; Cell adhesion; Cell envelope (König, H. (49) 207)

Thermosensitive replication
Gram-positive bacteria; Plasmids; Segregational stability; Transposon (Lereclus, D. (49) 417)

Thermostability
Thermoadaptation; Intracellular ion concentration; Cyclic 2,3-diphosphoglycerate; Methanogens (Hensel, R. (49) 75)

Thermus sp.
Pullulanase, thermostable; Gene cloning (Sashihara, N. (49) 385)

L-Threonine
Streptomyces fradiae; Threonine aldolase; Threonine dehydratase; Fatty acids; Tylosin (Vančura, A. (49) 411)

Threonine aldolase
Streptomyces fradiae; L-Threonine; Threonine dehydratase; Fatty acids; Tylosin (Vančura, A. (49) 411)

Threonine dehydratase
Streptomyces fradiae; L-Threonine; Threonine aldolase; Fatty acids; Tylosin (Vančura, A. (49) 411)

Tn*10*
Deletion analysis; *ompR*; *envZ*; Osmoregulation; Porins; *E. coli* (Kurkela, S.A. (49) 193)

Transferable plasmid
Restriction mapping; Heavy metal resistance; Environmental gene transfer; Genetic rearrangement (Jobling, M.G. (49) 31)

Transferrin
B. fragilis; *B. vulgatus*; Iron sources (Verweij-Van Vught, A.M.J.J. (49) 223)

Transformation
Bacillus amyloliquefaciens; Plasmid; Protoplast (Vehmaanperä, J. (49) 101)

Transposon
Gram-positive bacteria; Plasmids; Segregational stability; Thermosensitive replication (Lereclus, D. (49) 417)

Trehalose phosphate
Yeast (Piper, P.W. (49) 245)

Triticum monococcum
Azospirillum brasilense; *Agrobacterium tumefaciens*; *Zinnia elegans*; Attachment (Eyers, M. (49) 435)

Tylosin
Streptomyces fradiae; L-Threonine; Threonine aldolase; Threonine dehydratase; Fatty acids (Vančura, A. (49) 411)

Uptake hydrogenase
Cyanobacterium; Heterocyst; Nitrogenase; NADPH : ferredoxin oxidoreductase; Glutamine synthetase; Ammonium (methylammonium) transport (Kumar, A.P. (49) 261)

Uracil permease
Yeast; Cytosine permease (Hopkins, P. (49) 173)

Urinary tract infection
Inflammation; Endotoxin; Adhesion (Linder, H. (49) 219)

Escherichia coli; Fimbrial antigen; Aerobactin production; (O1 : K1 strains) (Zingler, G. (49) 489)

Valine inhibition
Spirulina platensis, Cyanobacterium; Acetohydroxy acid synthase; Isoleucine-valine biosynthesis (Riccardi, G. (49) 13)

Vibrio cholerae
Cholera toxin; *Escherichia coli*; LT (Tamplin, M.L. (49) 7)

Wall
Corynebacterium amycolatum sp. nov.; Taxonomy; Chemotaxonomy; Lipid (Collins, M.D. (49) 349)

White rot fungus
Phenolic compound; Basidiomycele; Phenolic compound (Müller, H.W. (49) 87)

X-ray photoelectron spectroscopy
Cell surface; Chemical analysis (Amory, D.E. (49) 107)

Yeast
Uracil permease; Cytosine permease (Hopkins, P. (49) 173)

Trehalose phosphate (Piper, P.W. (49) 245)

α-factor (Fujimura, H.-a. (49) 441)

Saccharomyces cerevisiae; Cadmium-resistant cells; Cd^{2+} uptake; K^+ loss (Belde, P.J.M. (49) 493)

envZ
Tn*10*; Deletion analysis; *ompR*; Osmoregulation; Porins; *E. coli* (Kurkela, S.A. (49) 193)

Zinnia elegans
Azospirillum brasilense; *Agrobacterium tumefaciens*; *Triticum monococcum*; Attachment (Eyers, M. (49) 435)

Zygosaccharomyces rouxii
Intracellular glycerol; Salt tolerance; Salt stress (Yagi, T. (49) 25)

Salt-sensitive mutant; Sugar tolerance; Glycerol accumulation; Glycerol assimilation (Yagi, T. (49) 317)

Zymomonas mobilis
Endoglucanase; Gene expression; Ethanol from cellulose (Lejeune, A. (49) 363)